|  |  |  |  |
| --- | --- | --- | --- |
| **Model Name** | **Score on training data** | **Score on testing data** | **Accuracy** |
| Multiple Linear Regression | 0.548 | 0.809 | 0.809 |
| Ridge Regression model | 0.386 | 0.788 | 0.788 |
| Support Vector Regression model | 0.395 | 0.667 | 0.667 |
| Adaboost Regression Model | 0.95 | 0.60 | 0.60 |
| Random Forest Regression Model | 0.557 | 0.55 | 0.55 |

Model Selection Criteria:

|  |  |  |  |
| --- | --- | --- | --- |
| Name of Model | RMSE | MAE | MEAE(Median absolute Error) |
| Multiple Linear Regression | 0.1499 | 0.115 | 0.094 |
| Ridge Regression model | 0.1747 | 0.1260 | 0.0869 |
| Support Vector Regression model | 0.1734 | 0.1261 | 0.0995 |
| Adaboost Regression Model | 0.0486 | .1170 | 0.03688 |
| Random Forest Regression Model | 0.1483 | 0.1114 | 0.0840 |